

# Europäisches Patentamt European Patent Office Office européen des brevets



(11) EP 0 963 076 A3

(12)

#### **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 21.11.2001 Bulletin 2001/47

(43) Date of publication A2: 08.12.1999 Bulletin 1999/49

(21) Application number: 99303867.8

(22) Date of filing: 18.05.1999

(51) Int CI.<sup>7</sup>: **H04L 12/24**, H04L 29/06, H04L 12/26, H04Q 3/00

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI

(30) Priority: 31.05.1998 US 88463

(71) Applicant: LUCENT TECHNOLOGIES INC. Murray Hill, New Jersey 07974-0636 (US)

(72) Inventors:

- Barker, William Edward Geneva, Illinois 60134 (US)
- Connelly, Lisa M.
   Lisle, Illinois 60532 (US)
- Eggert, Marvin A.
   Aurora, Illinois 60506 (US)

- Foley, Michael P.
   Elmwood Park, Illinois 60707 (US)
- MacFarlane, Kenneth R.
   Wheaton, Illinois 60187 (US)
- Parsons, Philip M.
   Lisle, Illinois 60532 (US)
- Rai, Girish Bartlett, Illinois 60103 (US)
- Rog, Jerry Edward Bartlett, Illinois 60103 (US)
- Vangsness, Kurt A. Aurora, Illinois 60506 (US)

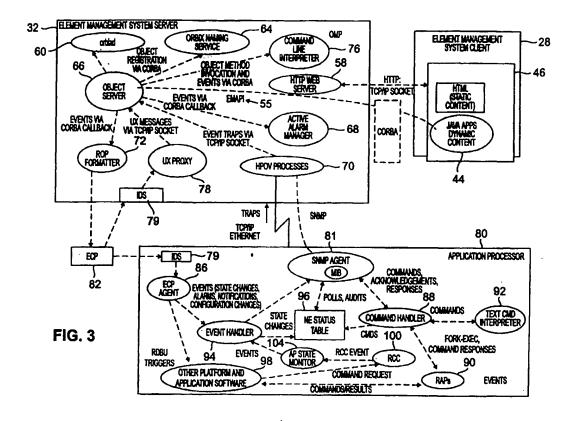
(74) Representative:

Watts, Christopher Malcolm Kelway, Dr. et al Lucent Technologies (UK) Ltd, 5 Mornington Road Woodford Green Essex, IG8 0TU (GB)

(54) Method for computer internet remote management of a telecommunication network element

In accordance with the invention, a method is provided for remotely managing a plurality of network element of a telecommunications network through a special communication link including a computer internet such as a local area network, the world\_wide web or the Internet. A management computer is connected to an element management system server through a communication link including the computer internet. At least one of the plurality of network elements is also coupled to the element management server through the computer internet and the at least one of the plurality of network elements is managed via communications conveyed through the element management server between the management computer and the at least one network element. Preferably, management is facilitated by the management server generating an interactive web page at a client workstation with objects associated with management of the at least one network element. The interactive web page is transmitting from the management server through the computer internet to the management computer and displayed at the interactive web page at the management computer for manage-

ment communications between the management computer and the network element. Objects of the interactive web page include objects associated with preferably all three of operation, administration and maintenance of the network lement. The interactive web page includes detailed status summary page for each network element of the telecommunications network, a relatively high system status summary of all the plurality of network elements and a list of all active alarms within the telecommunications network. The plurality of network elements each have an associated applications processor with a management agent application for interfacing the element management server with the network element. The application processor includes a maintenance application for performing maintenance of the network element command request are interfaced from the element management server through the management agent application to the maintenance application to selectively perform maintenance tasks. The element management server is provided with application processor specific events and command acknowledgments.





Application Number EP 99 30 3867

Category		ndication, where appropriate,		ievent claim	CLASSIFICATION OF THE APPLICATION BILCLES
	of relevent pass				
X	LARSEN A K: "A SPE		[1,1]	1,16	H04L12/24
	MANAGEMENT LEAVES S	ONE KEY ISSUES	1		H04L29/06
	UNADDRESSED"		1		H04L12/26
	DATA COMMUNICATIONS YORK,	,US,MCGRAW HILL. NEW	1		H04Q3/Q0
i		arch 1997 (1997-03-01),	1		
i	pages 43-44.46, XPO	MICH 199/ (199/US-VI),	ł		
	ISSN: 0363-6399	00033343	1		
Y	* the whole documen	<b>.</b> .	2-6	,15,	
•	- the whole documen		17-		
			22.		
A				0,12.	
•			13	,,,,,,	
			"	j	
Y	WO 98 04067 A (CISC		2-6		
	29 January 1998 (19	98-01-29)	L.	[	
A	* abstract *			-13,	
		6 34- 65 :	16	į	
	* page 5, line 12 -	page o, line 25 *	1		
	- page y, line 30 -	page 12, line 20 *	1		TROUBLE
	+ page 23,   The 10	- page 25, line 12 *	1		TECHNICAL MELDS REARCHED (Inl.CLE)
	* Claims 19,20 *     * figures 2-4 *		1	į	H04L
	T ( IYUI CO CT+ T		ł	1	H040
X	CARLSING P FT AL .	"AN ELEMENT MANAGER	1 1	1,16	HVTY
_	BASED ON WEB TECHNO		-,-	-,	
		ERICSSON. STOCKHOLM,	1	1	
	no. 1, 1998, pages				
	ISSN: 0014-0171	·	ŀ		
A	* the whole documen	t *		0,12,	
	]	•	13		
Ì			ł		
		-/	1		
1			}		
1			ł		
:			1		
			1		
	Ĺ		1		
	The present search report has	been drawn up for all claims			
	Place of security	Date of complation of the search	<b>`</b> T		Executives
	THE HAGUE	10 September 200	1	Cic	hra, M
C	ATEGORY OF CITED DOCUMENTS	T : theory or princip E : earlier pulses do	le unde	hing the	nvention
X : par	Sculpty relevant II taken alone	E : extraor passes co after the filling de for D : document claid L : document claid (		, out publi	anac) (11), (11
	prompty (gravant ii chichland with ano	nor D : document affaid	in the ac	nolization	
Y:per doc	unterfact the come distancery	L : decompe chaid		anneane.	
Y : per clos A : teci O : sav	Studigly relevant II telum glone Sudigly relevant II opisibled with end unmail of the estay distingory hydrights (sudigment) more the sudigment of the sudigment of the emoration distantant	L : document check			. commonation

3



Application Number EP 99 30 3867

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



Application Number EP 99 30 3867

Category	Citedon of document with in	CRED TO BE RELEVANT doublon, where appropriate,	Relovant	CLASSIFICATION OF THE
	of relevant pases		to cleim	APPLICATION (MLCLS)
X (	ROLF M: "WEB TECHNO	OLOGY BASED NETWORK	1,11,16	
	ELEMENT MANAGEMENT			
	ISS. WORLD TELECOPPO	- 4		
	(INTERNATIONAL SWITE			
	SYMPOSIUM), CA, TORON	IO, PIRNACLE GROUP,		
	21 September 1997     589-594, XP00070451	(1997-09-21), pages		
A	* the whole document		2-10,12,	
^	- che whole documen	•	13	
X		NTEGRATING WEB-BASED	14	
1	USER INTERFACES IN			
		NETWORK OPERATIONS AND		•
	MANAGEMENT SYMPOSIU FEBR. 15 - 20, 1998	TOT VELCARD, LA,		
	OPERATIONS AND MAMA	SEMENT SYMPOSIUM, NEW		
	YORK, NY: IEEE, US,	same of a control of the		
	vol. 1 CONF. 10,	:		
	3 November 1997 (19			
	110-129, XP00079976			
	ISBN: 0-7803-4352-2		}	TECHNICAL PIELDS SEARCHED (Inl.CLS)
	* the whole documen			
A	MEER DE H ET AL: "	TUNNEL AGENTS FOR	14	
	ENHANCED INTERNET Q	OS*	[	
	IEEE CONCURRENCY, 1		]	
	PISCATAHAY, NY, US,	-41 1000 (1000-04 01)	}	
	Vol. 6, No. 2, 1 Ap   pages 30-39, XP0007	ril 1998 (1998-04-01),	l	
	ISSN: 1092-3063	JLUIJ		
	* the whole documen	t *		
· I			1	į
		-/		
	l		İ	1
	į		1	
			ł	
			1	
	}		1	1
			]	]
	<u> </u>		1	}
	The present search report has		<u> </u>	<u> </u>
	Place of search THE MACHE	Date of completion of the streets  1.0 Sound completes 20.0	,	Examinar Summa M
	THE HAGUE	10 September 200		chra, M
	CATEGORY OF CITED DOCUMENTS	ماد خصوفت مناه م و ۲	ie underlying the current, but publ	invention Nahed on, or
X : pa	rticuterly palevent II bahen atone rticuterly relevant II elevatived with and sumed of the same integery fracticated bendgreated n-potten disclosure	after (Nic (Ung de her D : do <u>sensist</u> affect	te In the application	- }
		L. doods of the		
da 	teriorist in the grant amagory	L. UUQRIDE ONE)		



# LACK OF UNITY OF INVENTION SHEET B

Application Number EP 99 30 3867

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

#### 1. Claims: 1-13,16

Method for managing network elements from a management computer via the Internet via a management server, where the

- management server generates an interactive WEB-page associated with management of a network element
- management server transmits the above WEB-page to the management computer via the Internet
- interactive WEB-page contains a menu of individual maintainance unit command options.

#### 2. Claim: 14

Method for managing network elements from a management computer via the Internet, where the

Internet is the Word Wide Web and JAVA applications are run on both the management computer and the managed elements.

#### 3. Claim : 15

Method for managing network elements from a management computer via the Internet, where the

network element has a management agent responding to various actions and the step of managing includes correlation of responses from the agent with the actions which caused the responses.

#### 4. Claims: 17,20,21

Method for managing network elements from a management computer via the Internet, where the

-network element has a management agent application and -polling requests are received from a plurality of management computers and -multiple polling requests for the same attributes are treated as if they were only one request.

#### 5. Claims: 18,19

Method for managing network elements from a management computer via the Internet, where the



# LACK OF UNITY OF INVENTION SHEET B

Application Number EP 99 30 3867

The Search Division considers that the present European patent application does not comply with the regularments of unity of inventions and relates to several inventions or groups of inventions, namely:

access from the management computer to the management server is restricted by a password and encryption.

#### 6. Claim : 22

Method for managing network elements from a management computer via the Internet, where a

list of active alarms is maintained for each network element and updated upon occurence of either one of actuation of a new alarm and clearing of a former alarm.

#### 7. Claims: 23-33

Providing distributed network element management by selectively running a management application at a plurality of workstations,

- the workstations being connected to an element management
- server via the Internet,

   the element management server being connected to the
  managed network elements via a management agent application.



Application Number

Catagory	Citation of document with a of relevant pass	ndication, where appropriate, regre	Relevant to claim	CLASSIFICATION OF THE APPLICATION (INLCLS)
A	YUCEL S ET AL: "MU AND MANAGEMENT ARCH CORBA/JAVAPLATFORM" ANHUAL REVIEW OF CO ENGINEERING CONSORT	LTIMEDIA QOS SERVICE ITECTURE USING MMUNICATIONS, NATIONAL IUM, CHICAGO, IL, US, is 715—722, XPO00793173		
<b>Y</b>	US 5 751 914 A (COL 12 May 1998 (1998-0 * abstract * * column 1, line 36 * column 4, line 31 * claims 1-10 * * figure 3 *	-54 <b>+</b>	15	
A	US 5 748 098 A (GRA 5 May 1998 (1998-05 * abstract * * column 2, line 50 * column 4, line 13 * claims 1,8-11,14	-05)  - column 3, line 10 ≠  -28 ≠	15	TECHNICAL RELDS SEARCHED (Int.CLE)
A	WO 97 44937 A (CABL 27 November 1997 (1 * abstract * * page 3, line 22 ~ * page 12, line 9 - * claims 6,14,21,26 * figure 6 *	997-11-27)  page 4, line 12 * page 13, line 2 *	15	
		-/		
	The present search report has	been drawn up for all claims Date of complains of the search		
	THE HAGUE	10 September 2	001   C1	chra, M
	ATEGORY OF CITED DOCUMENTS foulgify relevant it taken alone foulgify relevant it generated with and uttain of the same analogory mail plants by interest and the same analogory and the same and the same analogory and	T: theory or pile E: earlier permit char the timp T: department of L: department of	ciple underlying the clocument, but put diste ed in the applicatio sid for other resson	



Application Number EP 99 30 3867

ategory	Citation of document with it of relevant pass	idication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (INLCLS)
Y	MAKINAE N ET AL: FOR SERVICE OPERATI INTELLIGENT METMORK 1997 IEEE INTERNATI COMMUNICATIONS. MON 1997, IEEE INTERNAT COMMUNICATIONS (ICC vol. 2, 8 June 199 872-877, XP00074206	COMMUNICATION PLATFORM ONS SYSTEMS IN ADVANCED  ONAL CONFERENCE ON TREAL, JUNE 8 - 12, IGNAL CONFERENCE ON ), NEW YORK, IEEE, US, 7 (1997-06-08), pages 3	17,20	
A	ISBN: 0-7803-3926-6 * the whole documen		18,19,21	
P,X (	MANAGEMENT" MILCOM '98. IEEE MI CONFERENCE PROCEEDI 19 ~ 21. 1998. IEEE	ERENCE, NEW YORK, NY: 1998 (1998-10-19), 0830601	17 20,21	TECHNICAL PRELDS SEARCHED (Inl.CLS)
A	MANAGEMENT SYSTEM" NOWS '98. 1998 IEEE MANAGEMENT SYMPOSIU FEBR. 15 - 20, 1998 OPERATIONS AND MANA YORK, NY: IEEE, US, vol. 1 CONF. 10, 3 November 1997 (19 XP000799756 ISBN: 0-7803-4352-2 + the whole document	GEMENT SYMPOSIUM, NEW 97-11-03), pages 11-20,	17,20, 21,23	
	Place of search	Date of completion of the secrets	<del>'</del>	Exeminer
	THE HAGUE	10 September 200:	1 Cic	chra, M
THE HAGUE  CATEGORY OF CITED DOCUMENTS  X: pertoutity retenent if taken stone Y: perfoultify retenent if taken stone Occurrent of the came entagery A: inchreditable deciment D: consent of the came entagery A: inchreditable deciment D: consent of the came entagery A: inchreditable deciment A: member of the same patent A: member of the same patent A: member of the same patent tamily, corresponding document			e underlying the pursent, bull publish in the application or other redaction	levention lished on, or



EP 99 30 3867

		ERED TO BE RELEVANT		<del></del>
Category	Citation of document with in of selevant peace	dication, where appropriate, ages	Relevar to claim	
A	METHORK MANAGEMENT COOPERATION" ISS '97. WORLD TELE CONGRESS. (INTERNAT SYMPOSIUM). GLOBAL CONVERGENCE OR COLL 21 - 26, 1997, ISS. TELECOMMUNICATIONS (INTERNATIONAL SWITT TORONTO, P,	COMMUNICATIONS IONAL SWITCHING NETWORK EVOLUTION: ISION? TORONTO, SEPT. WORLD CONGRESS. CHING SYMPOSIUM), er 1997 (1997-09-21), 0704517	17,20, 21,23	
x	JANDER M: "WELCOME DATA COMMUNICATIONS YORK, US, vol. 25, no. 16, 21 November 1996 (1 39-42,44,46,48,50,5 ISSN: 0363-6399 * the whole documen	, MCGRAW HILL. NEW 996-11-21), pages 2-53, XP000633488	18,19	TECHNICAL PIELDS SEARCHED (Inc.CLS)
P,Y	US 5 761 502 A (JAC 2 June 1998 (1998—0 * the whole documen	6-02)	18,19	
P,Y	C) 1 April 1999 (19 * abstract * * page 5, line 1 - * page 26, line 5 - * page 31, line 17	N (US); HOLFORD WILLIAM 99-04-01) page 6, line 16 ≉	22	
	The present search report has	been drawn up for all claims	1	
	Place of search	Date of completion of the courts	<del>'</del>	Exember
	THE HAGUE	10 September 200	1 0	Cichra, M
	ATEGORY OF CITED DOCUMENTS studyly relevent II plane alone studiely relevent II claribleed with end until of the seaso calegory with glad bandground relevant Comment	F - andre antique de		the Invention published on, or ston sone lamby, corresponding



EP 99 30 3867

1	DOCUMENTS CONSIDE	RED TO BE RELEVANT			
Category	Citation of document with life of relevant passes		Relate to d	went aim	CLASSIFICATION OF THE APPLICATION (MILCLE)
A	to satisfy user-prov conditions" COMPUTERS IN INDUSTR PUBLISHERS. AMSTERDA vol. 32. no. 1.	M, NL, 06-12-05), pages 1-15,	22		
P,X	ANONYMOUS: "Method Construction" RESEARCH DISCLOSURE, vol. 41, no. 410, 1 June 1998 (1998-00 Havant, UK, article + the whole document	5-01), XP002177150 No. 41085	22		
X Y	PHOENIX, ARIZONA, N	FERNET ENVIRONMENT" QUMICATIONS CONFERENCE. DV. 3 - 8, 1997, GLOBAL CONFERENCE (GLOBECOM), 1997 (1997-11-03), 0737531		26,31	TECHNICAL RELDS SEARCHED (InLCLE)
A		-/	27- 32,		
	The present search report has	been drawn up for all delms	1		
	Photo of coords	Dage of completion of the search			Examinar
	THE HAGUE	10 September 20	01	Cic	hra, M
X:pa	CATEGORY OF CITED DOCUMENTS introducty relevent it return alone actionship values it is excluded with and compined the carea-subgroup chropoptall background pre-sidilist document.	E : anifar patent C		************	



EP 99 30 3867

ategory	Cliation of document with in of vulovent pass	idication, where apprepriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InLCLS)
•	SHUKLA R ET AL: "T OPERATION SUPPORT S MANAGEMENT: USING T INTELLIGENT SOFTWAR NOMS '98. 1998 IEEE MANAGEMENT SYMPOSIU FEBR. 15 - 20, 1998	OSS: TONICS FOR YSTEMS SYSTEM HE WORLD WIDE WEB AND E AGENTS" NETWORK OPERATIONS AND M. NEW ORLEAMS, LA, , IEEE NETWORK GEMENT SYMPOSIUM, NEW	24-26,31	
\	ISBN: 0-7803-4352-2 * the whole documen		18,19, 27-30, 32,33	
				TECHOGCAL FIELDS SEARCHED (INLCLS)
	The present search report has	been drawn up for all claims	1	
	Place of season THE HAGUE	Date of completion of the courts 10 September 200	1 Cicl	Exempler hra, M
_	ATEGORY OF CITED DOCUMENTS doublely relevent if teleen alone louisity relevent if teleen alone louisity relevent if teleen alone louisity relevent and telepory real state of telepory real state decimand relevant decimand decimand decimand decimand decimand.	T : theory or princip	e underlying the is outment, but public to	

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 3867

This annex lists the patent family members relating to the patent documents ofted in the above-mentioned European search report. The members are an contained in the European Patent Office EDP tile on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-09-2001

Patent documen cited in search rep		Publication date	ĺ	Patent family member(s)	Publication dute
WO 9804067	A	29-01-1998	US	6008805 A	28-12-1999
			AU	3796197 A	10-02-1998
US 5751914	A	12-05-1998	NONE		
US 5748098	A	05-05-1998	AU	671194 B	15-08-1996
			AU	6111794 A	14-09-1994
			CA	2154585 A	01-09-1994
			CN	1121384 A,B	24-04-1996
			DE	69410447 D	25-06-1998
			DE	69410447 T	08-10-1998
			DK	686336 T	18-01-1999
			EP	0686336 A	13-12-199
			ES	2117255 T	01-08-1998
			MO	9419912 A	01-09-1994
			HK	1011162 A	02-07-19 <del>9</del> 9
			JP	28236 <b>9</b> 8 B	11-11-1990
			JP	8506947 T	23-07-199
			SG	47696 A	17-04-1998
WO 9744937	A	27-11-1997	US	6131112 A	10-10-2000
			AU	720079 B	25-05-2000
			AU	3005097 A	09-12-1997
			CA	2254141 A	27-11-199
		~~~~	EP	0898822 A	03-03-199
US 5761502	A	02-06-1998	CA	2241905 A	10-07-199
			EP	0870383 A	14-10-199
				000503183 T	14-03-200
			MO	9724838 A	10-07-199
WO 9915960	A	01-04-1999	AU	1062499 A	12-04-199
			AU	9582798 A	12-04-199
			AU	9582998 A	12-04-199
			AU	9583198 A	12-04-199
			AU	9583298 A	12-04-199
			AU	9583398 A	12-04-199
			AU	9583598 A	12-04-199
			ΑU	9583698 A	12-04-199
			AU	9584098 A	12-04-199
			AU	9666398 A	12-04-199
			AU	9667198 A	12-04-199
			AU	9667298 A	12-04-199
			AU	9667598 A	12-04-199
			AU	9667698 A	12-04-199
			ΑU	9667898 A	12-04-199

For more details about this annex : see Official Journal of the European Putent Office, No. 12/82

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 3867

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

10-09-2001

Patent document ched in search report	Publication date		Patent family member(s)	Publication date
WO 9915950 A	<del> </del>	AU	9667998 A	12-04-1999
		AU	9668098 A	12-04-1999
		ALI	9668298 A	03-05-1999
		AU	977 <b>709</b> 8 A	12-04-1999
		ÄÜ	9777298 A	12-04-1999
		AU	9777398 A	12-04-1999
		EP	101 <b>599</b> 5 A	05-07-2000
		ĒΡ	1015970 A	05-07-2000
		ĔΡ	1015986 A	05-07-2000
		WO	9915984 A	01-04-1999
		WO	9915960 A	01-04-1999
		WO	9916230 A	01-04-1999
		WO	9915974 A	01-04-1999
		WO	9915975 A	01-04-1999
		WO	9916206 A	01-04-1999
		WO	9916198 A	01-04-1999
		WO	9915977 A	01-04-1999
		WO	9916207 A	01-04-1999
		WO	9915988 A	01-04-1999
		WO	9915996 A	01-04-1999
		WO	9916002 A	01-04-1999
		WO	9916218 A	01-04-1999
		WO	9916099 A	01-04-1999
		WO	9915989 A	01-04-1999
		WO	9915978 A	01-04-1999
		WO	9915979 A	01-04-1999
		WO	9916202 A	01-04-1999
		WO	9919803 A	22-04-1999
		WO	9916203 A	01-04-1999
		US	6115040 A	05-09-2000
		US	6032184 A	29-02-2000
			<del></del>	·

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

# This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
OTHER:

# IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.